Early Warning and Reporting System (EWARS) Weekly Bulletin (29th Epidemiological Week)

30 July 2017



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Section 1: The Early Warning and Reporting System (EWARS) Highlights

- Influenza A/ H1N1 Pdm09: Two deaths (on 24th and 29th July) from Influenza A H1N1 Pdm09 have confirmed. The deceased are from Syangja and Pokhara.
- Leptospirosis: Two cases of Leptospirosis have been confirmed by NPHL, Teku and the cases are from Sundarharaichya Municipality-5, Fokland Tapu of Morang district.
- Malaria: Three cases of Malaria (*Plasmodium falciparum*) are reported this week, two from Seti Zonal Hospital, Kailali and one from BPKIHS, Dharan. The cases are from Kanchanpur, Kailali and Khotang district respectively. Similarly one case of Malaria (*Plasmodium vivax*) is reported from BPKIHS, Dharan and the case is from Saptari district.
- Kala-azar: Four cases of Kala-azar are reported this week, two from United Mission Hospital, Palpa and one each from Mechi Zonal Hospital Jhapa and Lumbini Zonal Hospital, Rupandehi. The cases are from Syangja, Palpa, Jhapa, and Dang district respectively.
- **Dengue:** One case of Dengue is reported this week from Lumbini Zonal Hospital, Rupandehi and the case is from Baglung district.
- SARI: One death from Sari is reported this week from Patan Hospital, Lalitpur and the deceased was from Bhaktapur district.
- **AGE:** One death from AGE is reported this week from Patan Hospital, Lalitpur and the deceased was from Lalitpur district.

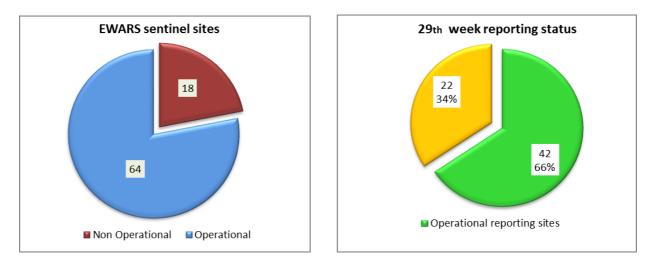
The EWARS was established in 1997 to strengthen the flow of information on vector-borne and other outbreak prone infectious diseases from the district to Epidemiology and Disease Control Division (EDCD) and Vector-Borne Disease Research and Training Center (VBDRTC), Hetauda. Rapid Response Teams (RRTs) can be mobilized at short notice to facilitate prompt outbreak response at Central, Regional and District level. RRTs can also support local level health institutions for investigation and outbreak control activities.

This information system is hospital-based and is currently operational in 64 hospitals (out of 82 sites) throughout Nepal (Figure 1). So far, the EWARS mainly focuses on the **weekly reporting** of number of cases and deaths (including "zero" reports) of six priority diseases/syndromes—Malaria, Kala-azar, Dengue, Acute Gastroenteritis (AGE), Cholera and Severe Acute Respiratory Infection (SARI), and other epidemic potential diseases/syndromes (like enteric fever). It equally focuses on **immediate reporting** (to be reported within 24 hours of diagnosis) of one confirmed case of Cholera, Kala-azar severe and complicated Malaria and one suspect/clinical case of Dengue as well as 5 or more cases of AGE and SARI from the same geographical locality in one week period.



Reporting Status

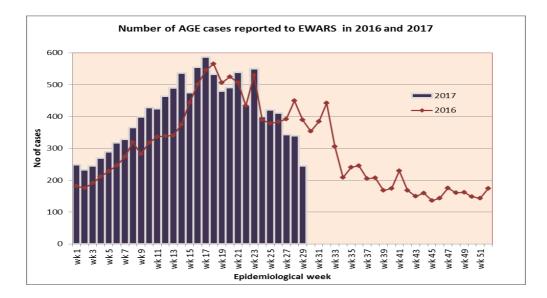
Out of 64 functional EWARS sentinel sites, report was received from 42 sentinel sites (66 percent) whereas 22 sentinel sites did not report in 29th Epidemiological week of 2017. The reporting coverage is decreased as compared to the previous week.



1.1 Acute Gastro-Enteritis and Cholera

245 cases of AGE are reported in 29th epidemiological week of 2017. Among 245 cases, the majority of cases are from Dolakha (23 cases), Kanchanpur (21 cases), Kathmandu (18 cases), Sunsari (13 cases), Lamjung (11 cases), Gorkha (10 cases), Lalitpur (10 cases), Makawanpur (9 cases) and Rasuwa (9 cases) district. The number of AGE cases reported in 29th week this year did not exceed the number of AGE cases reported in the same week last year (389 cases).

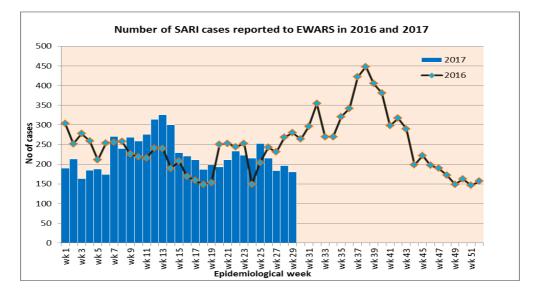
One death from AGE is reported this week from Patan Hospital, Lalitpur and the deceased was from Lalitpur district. Thirteen deaths from AGE are reported so far this year. Thirteen deaths from AGE were reported in 2016.



1.2 Severe Acute Respiratory Infection (SARI)

196 cases of SARI are reported in 29th epidemiological week of 2017. The cases of SARI reported this week did not exceed the number reported in the same week last year (280 cases). Among 196 cases, the majority of cases are from Jhapa (28 cases), Morang (27 cases), Rupandehi (15 cases), Lalitpur (12 cases), Palpa (10 cases), Gorkha (8 cases), Sunsari (7 cases) and Dhankuta (9 cases) district.

One death from Sari is reported this week from Patan Hospital, Lalitpur and the deceased was from Bhaktapur district. Forty six deaths from SARI are reported so far this year. Seventy deaths from SARI were reported in 2016.



1.3 Enteric Fever

65 cases of Enteric fever are reported this week, including 7 from Bardiya, 6 from Kaski, 6 from Kathmandu, 6 from Sindhuli, 6 from Siraha, 4 from Lamjung and 4 from Nawalparasi district. One death from Enteric Fever is reported so far this year.

1.4 Malaria

Three cases of Malaria (*Plasmodium falciparum*) are reported this week, two from Seti Zonal Hospital, Kailali and one from BPKIHS, Dharan. The cases are from Kanchanpur, Kailali and Khotang district respectively. Similarly one case of Malaria (*Plasmodium vivax*) is reported from BPKIHS, Dharan and the case is from Saptari district. Forty five cases of Malaria are reported so far this year. Eighty three cases of Malaria were reported through EWARS in 2016.

1.5 Dengue

One case of Dengue is reported this week from Lumbini Zonal Hospital, Rupandehi and the case is from Baglung district. Ten cases of Dengue are reported so far this year.

1.6 Kala-azar

Four cases of Kala-azar are reported this week, two from United Mission Hospital, Palpa and one each from Mechi Zonal Hospital Jhapa and Lumbini Zonal Hospital, Rupandehi. The cases are from Syangja, Palpa, Jhapa, and Dang district respectively. One hundred thirty nine cases of Kala-azar cases are reported so far this year. 150 cases of Kala-azar were reported through EWARS in 2016.

Timeliness & completeness of reporting from sentinel sites:

Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)	Site Code	Sentinel Sites	Timeliness (This Week)	Completeness (%)	
101	Mechi ZH, Jhapa	On Time	100	135	DH, Sindhuli	On Time	96	
102	Koshi ZH, Morang	On Time	100	136	DH, Illam	On Time	100	
103	DH, Sunsari	On Time	100	137	Dhulikhel H., Kavre	No reporting	93	
104	BPKIHS, Dharan	On Time	100	138	DH, Solukhumbu	No reporting	50	
105	DH, Dhankuta	On Time	100	139	DH, Dolpa	No Reporting	0	
106	SZH, Saptari	No Reporting	50	140	DH, Humla	No Reporting	0	
107	RKUP Lahan, Siraha	On Time	100	201	L. Comm DH, Lamjung	On Time	100	
108	DH, Siraha	On Time	100	202	DH, Dhading	No Reporting	0	
109	JZH, Dhanusha	On Time	100	203	DH, Ramechhap	On Time	100	
110	DH, Rautahat	No Reporting	93	204	Bhaktapur Hospital	No Reporting	0	
111	DH, Bara	On Time	100	205	Patan Hospital, Lalitpur	On Time	100	
112	NSRH, Parsa	No Reporting	96	206	DH, Gorkha	On Time	100	
113	DH, Makawanpur	On Time	100	207	DH Trishuli, Nuwakot	No Reporting	0	
114	NZH, Chitwan	No Reporting	93	208	Charikot PHCC, Dolakha	On Time	100	
115	Kanti CH, Kathmandu	On Time	100	209	Jiri H, Dolakha	On Time	100	
116	STH, Kathmandu	On Time	100	210	DH, Syangja	No Reporting	96	
117	UMH, Palpa	On Time	100	211	DH, Tanahun	On Time	89	
118	PCH, Nawalparasi	On Time	100	212	WRH, Kaski	On Time	100	
119	PBH, Kapilbastu	On Time	100	214	DH, Gulmi	No Reporting	62	
120	LZH, Rupandehi	On Time	100	215	DZH, Baglung	No Reporting	82	
121	RSRH Dang	No Reporting	96	218	DH, Manang	On Time	52	
122	MWRH, Surkhet	On Time	100	219	DH, Mustang	On Time	44	
123	BZH, Banke	No Reporting	96	220	DH, Pyuthan	On Time	100	
124	SZH, Kailali	No Reporting	10	221	DH, Rolpa	No Reporting	16	
125	MZH, Kanchanpur	On Time	100	229	DH, Achham	On Time	100	
126	DH, Doti	On Time	100	230	DH, Baitadi	No Reporting	96	
127	DH, Bardiya	On Time	100	235	DH, Panchthar	On Time	100	
128	DH, Mahottari	No Reporting	65	237	DH, Bhojpur	No Reporting	44	
129	DH, Dadeldhura	No Reporting	0	238	DH, Khotang	No Reporting	40	
130	DH, Rasuwa	On Time	57	240	DH, Udayapur	No Reporting	0	
131	DH, Sankhuwasabha	On Time	86	301	Bayalpata Hosp., Achham	On Time	100	
132	AMDA Hosp., Jhapa	On Time	100					
133	DH, Chautara	On time	100			Excellent (>80)		
134	DH, Sarlahi	On Time	100			Satisfactory (50-79)		
						Bad(<50)		

Acknowledgement

The Epidemiology and Disease Control Division highly acknowledges the contribution from all the medical recorders, EWARS focal persons, rapid response team members and support from WHO for preparation of this bulletin. **Note:** EWARS reporting form (in MS Excel format) is available at EDCD's official website <u>www.edcd.gov.np</u>. This bulletin is also available at the website.